

Issue 4 – May 2014

Broadcast Catalogue

Broadcast without Boundaries

BRO0004

www.cobham.com/tcs

COBHAM

Tactical Communications and Surveillance (TCS) has been at the forefront of innovation for over 50 years, developing leading edge surveillance and communication technologies that secure, share and communicate situational awareness in challenging environments, from urban surroundings to the digital battlefield.

It provides specialist communications, security and surveillance products together with integrated systems and solutions to 18 armed forces, over 750 agencies in the US and more than 140 agencies globally. Markets served include counter-terrorism and intelligence, law enforcement and public safety, critical asset protection and military platform communications. Cobham Tactical Communications and Surveillance also offers broadcast transmitter and receiver solutions for electronic news gathering, portable field monitoring and video-assist applications.

Cobham's award-winning technologies include Command and Control Software, Audio Surveillance, Video Surveillance, IP Mesh Solutions, Wireless Broadcast Solutions, Cameras and Sensors, Tagging, Tracking, Locate and Intercept, Tactical Communications and Integrated Surveillance Solutions as well as 24/7 Client Services.

Welcome to the Cobham Broadcast catalogue

Cobham draws on the company's cutting edge technologies to develop mission-critical products for the broadcast market. These provide real technical and operational benefits to news gathering, live production and other high profile applications, empowering users to broadcast without boundaries.

Backed by more than 50 years' valuable experience of transmitting and receiving information in difficult electronic environments in the military and surveillance market, Cobham's Broadcast portfolio benefits from the ultra-high build quality and ruggedness these products require.

Why choose Cobham?

Cobham's technical ability and capacity to develop new products is well ahead of the market. Its total control over encoding and modulation processes and use of FPGAs, rather than fixed ASICs, gives it a unique ability to quickly add new features, improve performance and address customers' specific requirements.

Cobham's HD broadcast systems employ next-generation low-delay H.264 encoding. The increased encoding efficiency this gives enables users to transmit at reduced bit-rates with no loss in quality. This means more robust modulation schemes can be used, giving increased range and a reduction in the amount of receive hardware required.

The systems are also extremely compact and consume significantly less power – typically 60% less than equivalent MPEG2 systems. In addition, cutting edge communication techniques, already developed for and in use in the surveillance sector - such as bi-directional, single-frequency COFDM systems and MESH networking – are available as part of the Cobham Broadcast range.

Cobham products are designed to be set up quickly, to deliver the level of performance professionals require, and to perform reliably throughout the job. They use the latest communications technologies to achieve the quality and performance standards expected, while using the minimum power with the maximum flexibility.

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SOLO7 – Nano HD Transmitter

**Features:**

- Ultra-low latency high profile H.264 SD and HD decoding
- Standard DVB-T or Cobham UMLV modulation for enhanced high frequency/high speed performance
- Very low power consumption, typically 7W
- Controlled via USB or RS232 and optional Field Controller remote control panel
- Exceptionally small size: 58mm (L), 36mm (W), 16.5mm (H)

Benefits:

The Nano HD Transmitter enables production teams to offer viewers stunning high definition images from the heart of the action, in situations never previously possible due to equipment size and battery run-time constraints.

The small size and ultra-low power consumption make the Nano HD TX ideal for UAV 'Octocopter' installations, enabling true long range HD broadcasting from these increasingly popular devices for the first time. Optional lightweight, low power consumption amplifiers are also available for even greater range capability.

SOLO ENG H.264 COFDM Transmitter

**Features:**

- 40% lower bit-rates than conventional MPEG2 systems
- Transmits images in a non-line of sight environment up to 1km
- True broadcast quality pictures in only 2.5MHz bandwidth, maximising usage of limited RF spectrum
- Analogue audio inputs feature switchable mic/line level with variable gain and P12 powering
- Range of RF frequency bands available, from 340MHz to 8.20GHz (low-cost upgrade available)
- Available in 100mW and 500mW versions

Benefits:

Specifically designed for Electronic News Gathering (ENG) applications, this is a rugged, SD/HD COFDM digital video transmitter, docking neatly onto all types of ENG cameras. For maximum flexibility, the unit has a variety of video input options including composite, SDI, HD-SDI and HDMI. An integrated control panel covers all major functions, with 16 user-defined presets.

SOLO H.264 SD/HD COFDM Transmitter

**Features:**

- Low delay H.264 SD & HD encoding
- HD-SDI/SDI with embedded audio input
- Composite video and HDMI input, ASI input and output
- DVB-T 6/7/8MHz and optional narrowband modulation
- Ultra lightweight 400g with low power consumption

Benefits:

The SOLO H.264 Transmitter is a rugged, Standard or High Definition digital video transmitter, ideal for motorsport, airborne, sports and news links applications. It can operate in various transmission bandwidths allowing a trade off between image quality and range. Broadcast quality pictures can be transmitted in only 2.5MHz bandwidth through ultra efficient H.264 encoding.

SOLO7 – Nano Transmitter

**Features:**

- Ultra-low latency H.264 SD & HD encoding
- MPEG-4 ASP video encoding available for backward compatibility with older Cobham video transmission products
- Supports standard DVB-T modulation and Cobham Narrowband (2.5 MHz), Ultra Narrowband (1.25 MHz) and Ultra-X (g25 kHz) bandwidths
- Controlled via USB or RS232, can be configured by Cobham Field Controller
- Exceptionally low power consumption, typically 3.7W
- Exceptionally small size: 67mm (L), 68mm (W), 22mm (H)

Benefits:

An ultra-miniature COFDM digital video transmitter designed specifically for covert video installations and body-worn applications. Offering several user-selectable modes that trade off image quality against range, the SOLO7 Nano Transmitter is ideal for applications requiring long term battery power deployments, small unmanned aerial vehicles and body-wire use.

PRORXD-1U Broadcast Receiver Decoder



Features:

- 2 or 4 way COFDM diversity – maximum ratio combining across all RF inputs for maximum sensitivity and flexibility
- Dual SD/HD MPEG2 and MPEG4 4:2:2 10-bit decoding capability – option to decode 2 HD signals simultaneously with optional HD-SD downconversion
- Composite/SDI/HD-SDI/HDMI outputs plus ASI in/out
- IP streaming in/out
- B&B and Tri-Level genlock supported

Benefits:

The excellent RF performance is complemented by an extremely flexible decoding platform, with low-delay SD and HD MPEG2 and H.264 decoding ensuring compatibility with all Cobham and most 3rd party encoders. An optional 2nd decoder can be enabled, allowing 2x SD or HD signals to be decoded. Multiple video output formats are offered with composite and SDI outputs in SD mode and HD-SDI and in HD mode. SDI/HD-SDI both feature embedded audio and HDMI outputs are provided for use with domestic TVs. ASI in/out is offered as an option. A comprehensive On Screen Graphical display is available for monitoring and diagnostics, which can be enabled or disabled separately on the two video outputs.

PRORXD-2U Broadcast Receiver Decoder



Features:

- 2,4,6 or 8 way COFDM diversity – maximum ratio combining across all RF inputs for maximum sensitivity and flexibility
- Dual SD/HD MPEG2 and MPEG4 4:2:2 10-bit decoding capability – option to decode 2 HD signals simultaneously with optional HD-SD downconversion
- Composite/SDI/HD-SDI/HDMI outputs plus ASI in/out
- IP streaming in/out
- B&B and Tri-Level genlock supported

Benefits:

The excellent RF performance is complemented by an extremely flexible decoding platform, with low-delay SD and HD MPEG2 and H.264 decoding ensuring compatibility with all Cobham and most 3rd party encoders. An optional 2nd decoder can be enabled, allowing 2x SD or HD signals to be decoded. Multiple video output formats are offered with composite and SDI outputs in SD mode and HD-SDI and in HD mode. SDI/HD-SDI both feature embedded audio and HDMI outputs are provided for use with domestic TVs. ASI in/out is offered as an option. A comprehensive On Screen Graphical display is available for monitoring and diagnostics, which can be enabled or disabled separately on the two video outputs.

NanoVue HD Receiver



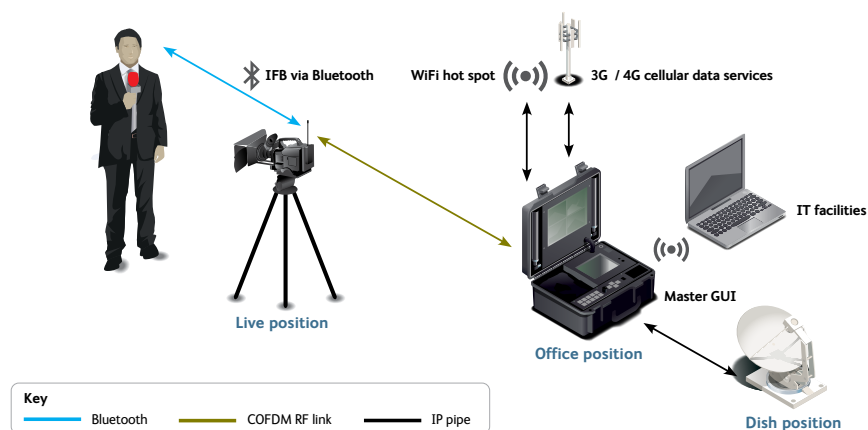
Features:

- Most compact HD receiver/monitor available
- Easy to use touch screen display
- HD-SDI output
- SD/HD MPEG2 and H.264 decoding

Benefits:

A fully portable digital diversity receiver ideal for Film and Video Assist or Steadicam reverse vision applications. Incorporates a high resolution, daylight-viewable touch screen display with a fully compliant DVB-T 2-input COFDM receiver and SD/HD MPEG2/H.264 decoder. Includes HD-SDI out and IP streaming in/out. Clip on batteries provide approximately 4 hours run time.

Media Mesh



Features:

- Wireless mesh camera node connects to the base unit via a rugged, bi-directional COFDM link
- Carries all live facilities including presenter's IFB over Bluetooth
- Wireless connectivity enables easy movement as the story demands
- Peli case manages connectivity to outside world and around the outside broadcast location
- Simple to operate, touchscreen interface enables set up by non-technical staff
- Connect to outside world/internet via satellite (using dish), 3G/4G, WiFi or Ethernet
- Dish connects to base unit via single cable for both power and signal
- Easy set-up, with base unit calculating position and direction, while beep tone indicates when satellite lock is achieved

Benefits:

Cobham MediaMesh features a unique bi-directional single frequency mesh network, which connects peripheral devices to the base unit – and means that capabilities and coverage areas can be extended by adding extra nodes.

Optimum picture quality is assured with Cobham's H.264 encoding software, and users can select from a variety of output paths according to whether they want to use the least expensive, the fastest or the highest data-rate routes, including:

A satellite dish, giving access to inexpensive and high bit-rate capacity on domestic Ka-Band satellites;

The public cellphone network, via two modem slots provided to access 3G/4G;

WiFi hotspots, such as an internet cafe or hotel, for free capacity;

A spare Ethernet socket on an office IT system or a purpose-built Ethernet ring.

Broadcast IP Encoder



Features:

- Ultra low-delay H.264 high profile encoding
- IFB output for return audio
- Built-in control panel and web-browser control
- Adaptive bitrate operation (with Cobham IP Decoder)

Benefits:

Offers a variety of connectivity options for maximum flexibility, including composite, SDI, HD-SDI and HDMI video inputs. Audio input options include balanced analogue audio with switchable mic/line level and P48 phantom power for broadcast microphones, SDI embedded audio, HDMI and Bluetooth (option).

A return audio output via a 3.5mm stereo headphone jack for camera talkback or presenter IFB is also available, with optional Bluetooth/WiFi connectivity – Bluetooth can be used to transmit IFB to a wireless belt-pack, which in turn transmits presenter audio back to the unit, providing a complete wireless connection between the camera and presenter. Additionally, the built-in WiFi hotspot allows the location crew to wirelessly utilise the IP connection for access to Newsroom IT facilities, email and internet research. A USB port enables file downloads and IP connection via a 4G modem.

Broadcast IP Encoder – Rack Version



Features:

- Ultra low-delay H.264 high profile encoding
- IFB output for return audio
- Built-in control panel and web-browser control
- Adaptive bitrate operation (with Cobham IP Decoder)
- Available as hand-held or rack-mount

Benefits:

Offers a variety of connectivity options for maximum flexibility, including composite, SDI, HD-SDI and HDMI video inputs. Audio input options include balanced analogue audio with switchable mic/line level and P48 phantom power for broadcast microphones, SDI embedded audio, HDMI and Bluetooth (option).

A return audio output via a 3.5mm stereo headphone jack for camera talkback or presenter IFB is also available, with optional Bluetooth/WiFi connectivity – Bluetooth can be used to transmit IFB to a wireless belt-pack, which in turn transmits presenter audio back to the unit, providing a complete wireless connection between the camera and presenter. Additionally, the built-in WiFi hotspot allows the location crew to wirelessly utilise the IP connection for access to Newsroom IT facilities, email and internet research. A USB port enables file downloads and IP connection via a 4G modem.

IP Decoder



Features:

- Fully compliant MPEG2 and H.264 SD/HD decoding
- Composite video outputs (with optional HD downconversion)
- IFB input
- Auto bit-rate capability (with Cobham Broadcast IP Encoder)
- ASI input and output (option)

Benefits:

The unit incorporates an extremely flexible decoding platform, with low-delay SD and HD MPEG2 and H.264 decoding ensuring compatibility with all Cobham and most third party encoders. An optional second decoder can be enabled, allowing 2x SD or HD IP streams to be decoded. Multiple video output formats are offered with composite and SDI outputs in SD mode and HD-SDI and in HD mode. SDI/HD-SDI both feature embedded audio and HDMI outputs are provided for use with domestic TVs.

A full Genlock facility is available in both SD and HD modes. When in HD mode, an optional downconverted SD composite video monitoring output is also offered.

Paired with a Cobham Broadcast IP Encoder, the unit can send an IFB signal to the remote location via the reverse leg of the IP link. An optional adaptive bit-rate encoding/decoding mode is also available, allowing fully automated operation on variable capacity or contended networks such as VSAT or BGAN terminals.

NETNode IP Mesh – Mini



Features:

- Up to 16 IP Mesh radios can be combined into a mobile network.
- Occupies from just 2.50MHz of bandwidth (3.00, 3.50, 5.00 and 6.00MHz also available)
- Provides up to 9.0Mb/s of IP data (depending on mode, number of nodes and range between nodes)
- Frequencies from 340MHz to 6.00GHz are available in discrete bands
- Mission Commander PC application to configure and monitor mesh

Benefits:

NETNode IP radios can be combined in a fluid, self-forming, self-healing mesh containing up to sixteen radios. The Mini Mesh can provide over 6.0Mb/s of IP data (depending on mode, number of nodes and range between nodes). With output power of 100mW, it also suits bodyworn applications, offering real-time IP connectivity.

NETNode IP Mesh Phase 3 – Plain



Features:

- Up to 16 IP Mesh radios can be combined into a mobile network
- Excellent RF penetration and performance in presence of multipath
- Provides over 5.0 (6.0)Mb/s of IP data (depending on mode, number of nodes and range between nodes)
- Occupies just 2.50MHz of bandwidth (3.00, 3.50, 5.00 and 6.00MHz also available)
- Optional AES128 or AES256 encryption

Benefits:

Cobham NETNode IP Mesh Phase 3 Plain radios can be combined into a fluid, self-forming, self-healing mesh network, for the transmission of video, audio and data across your own private network. Ideal for use in outside broadcast and news applications.

Control is achieved using an inbuilt web browser or comprehensive Mission Commander PC application.

NETNode IP Mesh Phase 3 – Robust



Features:

- Up to 16 IP Mesh radios can be combined into a mobile network.
- Occupies from just 2.50MHz of bandwidth (3.00, 3.50, 5.00 and 6.00MHz also available)
- Provides up to 9.0Mb/s of IP data (depending on mode, number of nodes and range between nodes)
- Frequencies from 340MHz to 6.00GHz are available in discrete bands
- Housed in rugged IP66 housing suitable for outdoor deployment
- Mission Commander PC application to configure and monitor mesh

Benefits:

NETNode IP Mesh radios can be combined into a fluid, self-forming, self-healing mesh network.

The NETNode IP Mesh Phase 3 Robust is a smaller, lighter more power-efficient model with higher bandwidth capability. This enhances its use in mobile and rapid deployments.

Satellite News Gathering Transmitter



Benefits:

The Satellite News Gathering Transmitter (SNGTX) is a high performance satellite modulator.

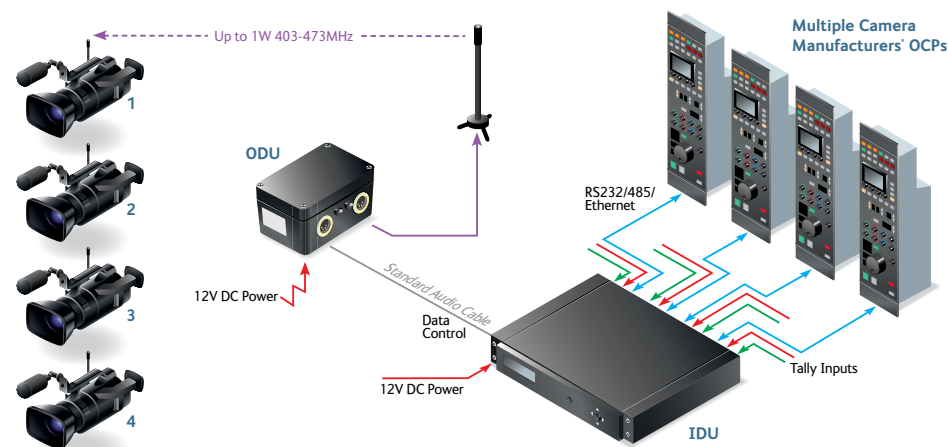
The SNGTX is housed in a vented 1/2 19" box. The base model of the SNGTX supports SD MPEG2 encoding 4:2:0 and 4:2:2. The base model can be upgraded with the addition of MPEG4 H264 HD, BISS and DVB-S2 to create a fully specified professional satellite modulator. The SNGTX can provide DVB-S/S2 and DVB-SNG satellite modulation on a professional L-Band output.

The SNGTX is fully compliant with all the associated DVB-S/S2 and DVB-SNG specifications and offers a full range of modulation modes and FEC options (note S2 is a software upgrade).

SatCom for Satellite Capabilities

Satellite Communication Solutions also available. Contact us to discuss your requirements or visit www.cobham/satcom

Broadcast Camera Control System



Features:

- Control of all major camera functions via standard camera manufacturers' OCP
- Control of up to 4 cameras via single UHF channel
- External green and red tally outputs (open collector)
- Separate indoor (IDU) and outdoor (ODU) units for flexible TX antenna location via standard twisted-pair audio cable
- Wide frequency range 403-474MHz via IDU front panel (other bands available on request)
- Phantom Power upgrade for easy rigging

Benefits:

Next generation features in a rugged, easy to use 'plug and play' system architecture. Designed in close consultation with experienced operators, many of the undesirable features present on 'first generation' systems have been overcome.

The system interfaces with camera manufacturers' standard control panels (OCPs), giving the operator complete familiarity with standard cabled systems and eliminating the need to rig separate OCPs when RF cameras are required.

SOLAMP 500mW Booster



Features:

- Available for frequency ranges – 300 to 450MHz, 1.00 to 1.50GHz, 1.50 to 2.00GHz, 2.00 to 2.50GHz, 3.00 to 3.50GHz and 4.40–5.00GHz
- Convenient small size
- Companion product for the SOLMTX

Benefits:

A 500mW power amplifier designed specifically to partner the Cobham SOLMTX transmitter. The ideal power amplifier for applications where space is at a premium and when additional range may be required.

SOLO – 1W Booster Amplifier



Features:

- Frequency bands – 300 to 450MHz, 1.00 to 2.5GHz, 3.00 to 3.50GHz and 3.40 to 3.70GHz
- Dimensions – 95mm (L), 70mm (W), 32mm (H)
- Power in – 100mW, power out – 1W
- Specifications may vary depending on frequency
- Accessories supplied – RS232 Cable Lemo–DSUB9 3m, Bodyworn 1W Amp Power/Control Cable and Bodyworn 1W Amp RF Link Cable

Benefits:

Compatible with the SOLO video transmitters range, with products extending across four frequency bands, the SOLO – 1W Amplifier weighs 350g and operates in temperatures ranging from –20° to +70°C.

SOLO – 1W Vehicle Amplifier



Features:

- Frequency bands – 300 to 700MHz, 3.10 to 3.40GHz, 4.40 to 5.00GHz and 5.70 to 5.90GHz
- Dimensions – 263mm (L), 100mm (W), 64mm (H)
- Power in – 100mW, power out – 1W
- Specifications may vary depending on frequency
- Accessories supplied – RS232 Cable Lemo–DSUB9 3m, Vehicle Amp Power/Control Cable and 1W/5W Amp 750mm long RF cable

Benefits:

Compatible with the SOLO video transmitters range, with products extending across four frequency bands, the SOLO – 1W Vehicle Amplifier weighs 1kg and operates in temperatures ranging from –10° to +50°C.

NETNodeAMP Mini Robust 1W/2W Amplifier



Features:

- Bolt-on amplifier, increasing power output of NETNode Mini Robust from 100mW up to 2W
- Gives a rugged non line-of-sight link of around 1km
- Line-of-sight operation to several kilometres
- Large variety of frequency bands

Benefits:

The NETNodeAMP is a bolt-on amplifier from Cobham Tactical Communications and Surveillance, is available depending on frequency as a 1W or 2W unit, which connects directly to a NETNode Mini Robust node, thereby increasing the power output from 100mW up to 2W (33dB) for greater range requirements.

The NETNodeAMP combined with the NETNode Mini Robust, provides a rugged non line-of-sight (NLOS) link of around 1km with non-directional antennas, and gives a line-of-sight (LOS) operation to several kilometres, whilst the sealed IP-66 aluminium enclosure allows the unit to be deployed in external environments for prolonged periods of time.

Very Efficient Power Amplifier (VEPA-2W)



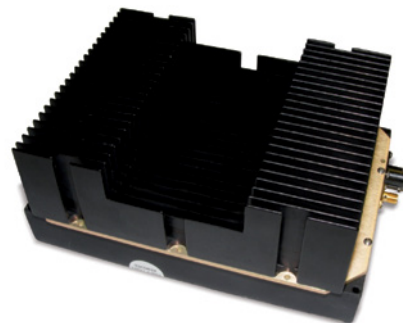
Features:

- Frequency bands: 1.40 to 1.60GHz, 1.70 to 1.85GHz, 1.70 to 2.40GHz, 1.99 to 2.50GHz, 2.20 to 2.70GHz, 4.40–5.00GHz
- Variable Efficiency with local switch or remote logic signal
- High Efficiency Mode – V 2W out for 12W DC in (Linear)
- High Linearity Mode – V 2W with 25 dB MER
- 9–32 V DC Supply Voltage
- Compact and lightweight
- Reversed polarity protected

Benefits:

Cobham's Very Efficient Power Amplifier (VEPA) series is specifically designed for COFDM and other demanding modulation schemes. However, they can also be used for non-linear modulation schemes like FM. An innovative protection circuit switches off the input signal when it exceeds the value corresponding to about 4W COFDM output power and it also turns off the input signal when it detects excessive mismatch conditions.

SOLAMP – Robust 5W Amplifier



Features:

- Frequency bands: 300 to 450MHz, 1.00 to 2.5GHz, 3.00 to 3.50GHz and 3.40 to 3.70GHz
- Ultra linear or saturated operation
- RF ports are open and short protected
- Operating gain – 17dB typical
- Short circuit/over-voltage protection and reverse polarity protection
- 12–30V DC power supply range

Benefits:

Bringing performance and reliability to microwave transmission of digitally modulated signals (COFDM, QPSK and BPSK), this amplifier minimises distortion, providing superior signal quality for complex multi-carrier modulation while minimising the DC power consumption. Optional small, fanned heat sink, automatic level control of RF output, water resistant enclosure, type N or TNC RF connectors (DB–9 for DC), and custom feed lines.

Very Efficient Power Amplifier (VEPA-10W)



Features:

- Frequency bands: 1.40 to 1.60GHz, 1.70 to 1.85GHz, 1.70 to 2.40GHz, 1.99 to 2.50GHz, 2.20 to 2.70GHz, 4.40–5.00GHz
- Very efficient
- High linearity
- Adjustable gain
- Local – rotary switch
- Remote control
- 9–32V DC supply voltage
- Compact and lightweight

Benefits:

Cobham's Very Efficient Power Amplifier (VEPA) series is specifically designed for COFDM and other demanding modulation schemes. However, they can also be used for non-linear modulation schemes like FM.

This 31W P1dB power amplifier provides up to 10 watts of COFDM power or 20 watts of FM power in a small economical package. This linear Class A power amplifier provides a maximum of 41dB of gain.

FCON – Field Controller



Features:

- In line standalone controller
- Or USB to RS232 converter
- Remote client for CryptoWizard

Benefits:

A discrete and comprehensive portable device, the Field Controller removes the need to take a PC into the field. It acts as a secure carriage mechanism for field management of encryption data. The Field Controller can also act as a remote agent for the Cobham CryptoWizard application when pre-loaded with encryption keys.

12dBi Compact Sector Antenna

Supplied with mounting kit 178A for 2" poles, featuring mounting bracket for Down Converter.



Specification:

Electrical	
Frequencies	From 2000-2700MHz to 8100-8600MHz (other frequencies available)
Feed Power Handling	50W
Gain (typical)	12dBi
Azimuth	3dB
Beamwidth	112°
Elevation	3dB
Beamwidth	17°
Polarisation	Vertical
Physical	
Width/Diameter	79.4mm
Height	Dependent on product frequency range
Weight	1.3Kg

16.5dBi High Gain Sector Antenna



Specification:

Electrical	
Frequencies	From 2000-2400MHz to 8100-8600MHz (other frequencies available)
Feed Power Handling	50W
Gain (typical)	16.5dBi
Azimuth	3dB
Beamwidth	64°
Elevation 3dB Beamwidth	8°
Polarisation	Vertical
Physical	
Width/Diameter	200mm
Height	Dependent on product frequency range
Weight	4.0Kg

2dBi Flexible Omni Antenna



Specification:

Electrical	
Frequencies	From 2000-2400MHz to 8100-8600MHz (other frequencies available)
Feed Power Handling	10W
Gain (typical)	2dBi
Elevation	3dB
Beamwidth	65°
Polarisation	Vertical
Physical	
Width/Diameter	16mm
Height	290mm 320mm (2.0-2.4GHz model)
Weight	160g (approx)

2dBi Omni SMA Antenna



Specification:

Electrical	
Frequencies	2000-2500MHz
Feed Power Handling	10W
Gain (typical)	2dBi
Elevation	3dB
Beamwidth	65°
Polarisation	Vertical
Physical	
Width/Diameter	14mm
Height	86.6mm
Weight	20g (approx)

3dBi Flexible Omni Antenna



Specification:

Electrical

Frequencies	From 2000-2700MHz to 6000-7500MHz (other frequencies available)
Feed Power Handling	10W
Gain (typical)	3dBi
Elevation	3dB
Beamwidth	78°
Polarisation	Vertical

Physical

Width/Diameter	22mm
Height	290mm
Weight	160g (approx)

4.5dBi Omni Antenna



Specification:

Electrical

Frequencies	From 2000-2400MHz to 8100-8600MHz (other frequencies available)
Feed Power Handling	10W
Gain (typical)	4.5dBi
Elevation	3dB
Beamwidth	40°
Polarisation	Vertical

Physical

Width/Diameter	25mm
Height	Frequency dependent
Weight	30g (approx)

4dBi Flexible Omni Antenna



Specification:

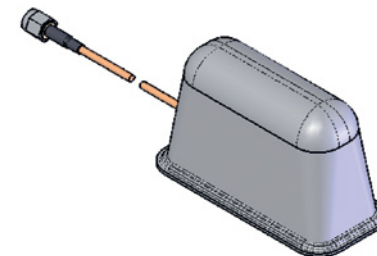
Electrical

Frequencies	From 2000-2400MHz to 8100-8600MHz (other frequencies available)
Feed Power Handling	10W
Gain (typical)	4dBi
Elevation	3dB
Beamwidth	35°
Polarisation	Vertical

Physical

Width/Diameter	16mm
Height	340mm 450mm (2.0-2.4GHz model)
Weight	180g (approx)

Blade Antenna – Body Worn



Specification:

Electrical

Frequencies	1.26-1.40GHz 1.60-1.70GHz 1.15-1.26GHz
Feed Power Handling	10W
Gain (typical)	1.3dBi
Azimuth	3dB
Beamwidth	120°
Elevation	3dB
Beamwidth	100°
Polarisation	Vertical

Physical

Width/Diameter	37.5mm
Height	81.5mm
Weight	30g

Helicopter Antenna Actuator



Features:

A typical skid mount COFDM helicopter system is comprised of the following components:

- HPT COFDM transmitter
- 6dB Omni antenna
- Actuator mechanism
- Skidshoe
- Actuator control box
- Remote Control Unit (RCU)
- Interconnecting cables

Benefits:

The Helicopter Antenna Actuator System (HAAM) provides superior airborne transmission by extending the antenna below the airship, away from the body of the helicopter. With a flip of a switch, the antenna is brought-up and safely stowed for landing. Designed for safety and convenience, this system can be installed in a few minutes and is designed to safely break away if you forget to retract the antenna.

Broadcast Down Converters



Features:

- Supplied in selectable high/low gain or fixed high and low gain variants
- Excellent low noise performance
- Designed for permanent outdoor deployment
- Variety of mounting kits available

Benefits:

The Cobham standard barrel down converter is designed for permanent outdoor installations on the base of the receive antenna. The down converter will successfully drive 10m of cable with down-converted UHF signal with no loss of performance.

SOLO Fibre – Fibre Antenna Extender System



Features:

- 'One cable solution' for radio camera receive and data control
- Location of antenna and down converter can be extended
- TAC or SMPTE cable formats
- Fibre connectors can be customised
- Splash proof head units
- Rack mountable base units
- Return camera control data line

Benefits:

Cobham offers antenna fibre extension solutions, which allow prime location of receive units in outside broadcast areas for maximum monitoring flexibility.



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Contact your Sales Account Manager or one of our Regional Sales Offices

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